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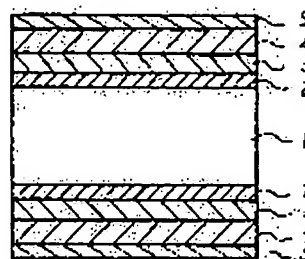
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(54) MAGNETIC RECORDING MEDIUM

(57)Abstract:

PURPOSE: To improve magnetic characteristics as well as lubricity, wear resistance and corrosion resistance by providing a lubricating layer coated with a fluorine lubricating agent further onto a carbon protective film layer formed on a magnetic layer consisting of a thin ferromagnetic metallic film.

CONSTITUTION: A substrate 1 is formed by subjecting the surface of an aluminum alloy sheet to an alumite treatment, etc., then finishing the surface to a specular surface by mechanical polishing. Other materials such as glass are also usable as the substrate material. Cr is usually used for an underlying layer 2 consisting of a nonmagnetic metal and is formed by a sputtering method, etc. Bi, etc., are used in addition to the Cr. The magnetic layer 3 is the thin ferromagnetic metallic film formed of an alloy of a ferromagnetic metal such as Fe by a vacuum deposition method and the protective layer 4 is formed of C by a sputtering method, etc. so as to cover the surface of the magnetic layer 3. The lubricating layer 5 is formed by sticking the fluorine lubricating agent to the surface of the protective layer 4 by a spin coating method, etc. The lubricity of the magnetic recording medium is thereby improved, by which wear resistance and corrosion resistance are improved.



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